



PATENT

Case Docket No. IMEC285.001AUS

Date: January 16, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Bilyalov, et al.
Appl. No. : 10/658114
Filed : 08-Sep-2003
For : PHOTOVOLTAIC DEVICE
Examiner : Unassigned
Group Art Unit : 1753

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

January 20, 2004

(Date)

Rose M. Thiessen, Reg. No. 40,202

TRANSMITTAL LETTER

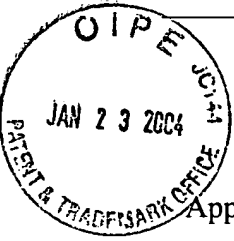
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 with nine (9) references.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

Rose M. Thiessen
Registration No. 40,202
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**INFORMATION DISCLOSURE STATEMENT**

Applicant : Bilyalov, et al.
App. No. : 10/658,114
Filed : September 8, 2003
For : PHOTOVOLTAIC DEVICE
Examiner : Unassigned
Group Art Unit : 1753

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing 9 references that are also enclosed.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: Jan 20, 2004

By: 

Rose M. Thiessen
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Customer No. 20,995
(619) 235-8550

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
IMEC285.001AUSAPPLICATION NO.
10/658,114INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT
Bilyalov, et al.FILING DATE
September 8, 2003GROUP
1753

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1	5,213,628	5/25/93	Noguchi, et al.			
	2	5,066,340	11/19/91	Iwamoto, et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	3	03-235371	10/21/91	Japan (Abstract Only)				X

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	4	Bilyalov, et al., Solar Energy Materials and Solar Cells, 65 (2001) 477-485.
	5	Jin, et al., Journal of Crystal Growth, 212 (2000), 119-127.
	6	Chang, et al., IEEE Transactions on Electron Devices, Vol. 47, No. 1, January 2000.
	7	Rubino, et al., Journal of Non-Crystalline Solids, 266-269 (2000), 1044-1048.
	8	Bilyalov, et al., Conference Record of the Twenty-Eighth IEEE Photovoltaic Specialists Conference - 2000, Cat. No. 00CH37036, xxxii+1838, 291-294.
	9	Sawada, et al., first World Conference on Photovoltaic Energy Conversion, Hawaii, 1994, 1219-1226.

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120503

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p>	